

INTERNATIONAL SEARCH REPORT

International application No.

PCT/CN2004/000798

A. CLASSIFICATION OF SUBJECT MATTER

IPC⁷F24B7/02

According to International Patent Classification(IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched(classification system followed by classification symbols)

IPC⁷F24B1/16,F24B7/02,F27B1/02

Documentation searched other than minimum documentation to the extent that such documents are included in the field searched

Chinese patent document(1985~)

Electronic data base consulted during the international search(name of data base and, where practicable, search terms used)

CPRS, WPI, PAJ, EPODOC

Boiler,coal,briquette

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant claim No.
A	CN86210256U (LIU,Chaoyun) 2 Mar.1983(02.03.83) description; figure1	1,2
A	CN2278871Y (ZHAO,Kaiyi) 15 Apr. 1998(15.04.98) description; figure1	1,2
A	GB2079922A (Geoffrey Parkin) 27 Jan.1982(27.01.82) description; figure1	1,2



Further documents are listed in the continuation of Box C.



See patent family annex.

* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier document but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason(as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&" document member of the same patent family

Date of the actual completion of the international search

5 Nov. 2004 (05.11.2004)

Date of mailing of the international search report

06 · JAN 2004 (06 · 01 · 2004)

Name and mailing address of the ISA/

The Chinese Patent Office
6, Xitucheng Road, Haidian District,
Beijing, 100088, China

Facsimile No. 86-10-62019451

Authorized officer

XIA Dong

Telephone No. 86-10 62084843

Form PCT/ISA/210(second sheet)(July 1992)

EXPRESS MAIL LABEL

NO.: EV 480 462 950 US

INTERNATIONAL SEARCH REPORT

International application No.

PCT/CN2004/000798

Box I. Observations where certain claims were found unsearchable(Continuation of item 1 of first sheet)

This international search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☐ Claims Nos.:
because they relate to subject matter not required to be searched by Authority, namely:

2. ☐ Claims Nos.:
because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful search can be carried out, specifically:

3. ☐ Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box II. Observations where unity of invention is lacking(Continuation of item 2 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

Claims 1 and 2 relate to a boiler;

Claims 3, 8, 12, 15, 18 and 20 relate to a sauna bath;

Claims 16 and 17 relate to a water tank.

1. ☐ As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☒ No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.: 1, 2

Remark on Protest

☐

The additional search fees were accompanied by the applicant's protest.

☐

No protest accompanied the payment of additional search fees.

INTERNATIONAL SEARCH REPORT
Information on patent family membersInternational application No.
PCT/CN2004/000798

Patent document cited in search report	Publication date	Patent family members	Publication date
GB2079922A	27.01.82	WO8203443	14.10.82
		AU7803681	19.10.82
		EP0075557	06.04.83
CN2278871Y		None	
CN86210256U		None	

Form PCT/ISA/210(patent family annex)(July 1992)

国际检索报告

国际申请号

PCT/CN2004/000798

A. 主题的分类

IPC⁷F24B7/02

按照国际专利分类表(IPC)或者同时按照国家分类和 IPC 两种分类

B. 检索领域

检索的最低限度文献(标明分类体系和分类号)

IPC⁷F24B1/16, F24B7/02, F27B1/02

包含在检索领域中的除最低限度文献以外的检索文献

中国专利文献(1985~)

在国际检索时查阅的电子数据库(数据库的名称和, 如果实际可行的, 使用的检索词)

CPRS, WPI, PAJ, EPODOC

Briquette, coal, block

C. 相关文件

类 型*	引用文件, 必要时, 包括相关段落的说明	相关的权利要求编号
A	CN86210256U (刘绍允) 2.03 月 1983(02.03.83) 全文; 图 1	1, 2
A	CN2278871Y (赵开义) 15.04 月 1998(15.04.98) 全文; 图 1	1, 2
A	GB2079922A(Geoffrey Parkin) 27.01 月 1982(27.01.82) 全文; 图 1	1, 2

☐ 其余文件在 C 栏的续页中列出。☒ 见同族专利附件。

* 引用文件的专用类型:

“A” 明确表示了一般现有技术、不认为是特别相关的文件

“E” 在先文件, 但是在国际申请日的同一日或之后公布的

“L” 对优先权要求可能产生怀疑或者用来确定另一篇引用文件的公布日期或其它特殊理由而引用的文件(如详细说明)

“O” 涉及口头公开、使用、展览或其他手段的文件

“P” 在国际申请日之前但迟于所要求的优先权日公布的文件

“T” 在国际申请日或优先权日之后公布的在后文件, 它与申请不相抵触, 但是引用它是为了理解构成发明基础的理论或原理

“X” 特别相关的文件; 当该文件被单独使用时, 要求保护的发明不能认为是新颖的或不能认为具有创造性

“Y” 特别相关的文件; 当该文件与其他一篇或多篇这类文件结合在一起, 这种结合对本领域技术人员是显而易见的, 要求保护的发明不能认为具有创造性

“&” 同族专利成员的文件

国际检索实际完成的日期

5.11 月 2004 (05.11.2004)

国际检索报告邮寄日期

06.1月2004 (06.01.2004)

国际检索单位名称和邮寄地址

中国专利局

中国北京市海淀区西土城路 6 号(100088)

传真号:

86-10-62019451

受权官员

夏冬

电话号码: 86-010 62084843

PCT/ISA/210 表(第 2 页)(1992 年 7 月)

EXPRESS MAIL LABEL

NO.: EV 480 462 950 US

国际检索报告

国际申请号

PCT/CN2004/000798

第I栏 认为某些权利要求不能作为检索主题的意见(接第1页第1项)

因下列原因按条约17(2)(a)就某些权利要求而言不作出国际检索报告:

1. ☐ 权利要求编号:
因为它们涉及到不要求本单位检索的主题, 即:

2. ☐ 权利要求编号:
因为它们涉及到国际申请中一部分, 而这些内容不符合规定的要求以至于不能进行任何有意义的国际检索,
具体地说:

3. ☐ 权利要求编号:
因为它们是从属权利要求, 并且没有按照细则6.4(a)第2句和第3句要求撰写。

第II栏 缺乏发明单一性的意见(接第1页第2项)

本国际检索单位在该国际申请中发现多项发明, 即:

独立权利要求1和独立权利要求2涉及锅炉;

独立权利要求3, 8, 12, 15, 18, 20涉及桑那沐浴房;

独立权利要求16, 17涉及水箱。

1. ☐ 由于申请人按时缴纳了全部附加检索费, 本国际检索报告针对全部可作检索的权利要求。
2. ☐ 由于无需付出值得要求附加费的劳动, 全部可作检索的权利要求都能够被检索, 本国际检索单位未通知缴纳任何附加费。
3. ☐ 由于申请人仅按时缴纳了部分所要求的附加检索费, 本国际检索报告仅针对已缴费的那些权利要求。
具体说明权利要求编号:
4. ☒ 申请人未按时缴纳所要求的附加检索费。因此, 本国际检索报告仅涉及权利要求中首先提到的发明;
涉及该发明的权利要求编号是: 1, 2

关于异议的说明:

- ☐ 随附加检索费附有申请人的异议书。
- ☐ 随附加检索费的支付没有任何异议书。

国际检索报告
同族专利成员的情报

国际申请号

PCT/CN2004/000798

检索报告中引用的 专利文件	公布日期	同族专利成员	公布日期
GB2079922A	27.01.82	WO8203443	14.10.82
		AU7803681	19.10.82
		EP0075557	06.04.83
CN2278871Y		无	
CN86210256U		无	